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(54) CLOCK FREQUENCY INFORMATION TRANSFER SYSTEM

by the relative ratios to reproduce the transmission side clock pulses of the respective frames accurately.

(57) Abstract:

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PROBLEM TO BE SOLVED: To realize a clock frequency information transfer system which can always reproduce a frequency of a transmission side accurately on a receiving side with a simple circuit structure.

SOLUTION: Clock pulses of a transmission side are counted and read successively for respective periods of frames transmitted on a transmission line 103 by a generating circuit 104 on the transmission side, and the count values are incorporated in the corresponding frames and transmitted to a reception side. The count values incorporated in the frames are taken out by a reproducing circuit 105 on the reception side. The count value taken out from one frame is deducted from the count value taken out from a frame before that one to obtain a difference from which the number of the transmission side clock pulses corresponding to the period of the one frame is calculated. The number of the clock pulses of the transmission line 103 corresponding to one period of the frame is divided by the number of the transmission side clock pulses calculated for each frame to calculate a relative ratio. The periods of the clock pulses of the transmission line 103 are multiplied

